

JA

PCT09

## RAW SEQUENCE LISTING

DATE: 08/30/2001

PATENT APPLICATION: US/09/733,956

TIME: 10:03:03

Input Set : A:\0275378.app

Output Set: N:\CRF3\08302001\I733956.raw

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3 <110> APPLICANT: LU, JIAN JASON  
 4 GOMES, BRUCE CHARLES  
 5 FIELES, WILLIAM EDWARD  
 7 <120> TITLE OF INVENTION: TNFR-LIKE PROTEIN WITH DEATH DOMAIN  
 9 <130> FILE REFERENCE: DJB/009901/0275378  
 11 <140> CURRENT APPLICATION NUMBER: 09/733,956  
 12 <141> CURRENT FILING DATE: 2000-12-12  
 14 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01793  
 15 <151> PRIOR FILING DATE: 1999-06-08  
 17 <150> PRIOR APPLICATION NUMBER: GB 9812607.1  
 18 <151> PRIOR FILING DATE: 1998-06-12  
 20 <160> NUMBER OF SEQ ID NOS: 7  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
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 25 <211> LENGTH: 2666  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Homo sapiens  
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 32 aaaggaggga atgtatagat ccccaaatat ggaaaagctc ttccccctc cttactcttt 180  
 33 tttctaggca tgaactcaac agaatccaac tcttctgcct ctgttagacc aaagggtactg 240  
 34 agtagcatcc aggaagggac agtccctgac aacacaagct cagcaagggg gaaggaagac 300  
 35 gtgaacaaga ccctcccaaa ccttcaggta gtcaaccacc agcaaggccc ccaccacaga 360  
 36 cacatcctga agctgctgcc gtccatggag gccactgggg gcgagaagtc cagcacgccc 420  
 37 atcaagggcc ccaagagggg acatcctaga cagaacctac acaagcattt tgacatcaat 480  
 38 gagcatttgc cctggatgat tgtgcttttc ctgctgctgg tgcttggttg gatttggttg 540  
 39 tgcagtatcc ggaaaagctc gaggactctg aaaaaggggc cccggcagga tcccagtgcc 600  
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 41 atctactact gcaatggcca tggatcgat atcctgaagc ttgtagcagc ccaagtggga 720  
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 45 aacgatgttg tggagaagat tcgtgggctg atggaagaca ccaccagct ggaaactgac 960  
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59 gtgcacttta aatttactta acttaccata aatgcagtgt gacttttccc acacactgga 1800
60 ttgtgaggct ctttaacttct taaaagtata atggcatctt gtgaatccta taagcagtct 1860
61 ttatgtctct taacattcac acctactttt taaaaacaaa tattattact atttttatta 1920
62 ttgtttgtcc ttataaaatt ttcttaaaga ttaagaaaat ttaagacccc attgagttac 1980
63 tgtaatgcaa ttcaactttg agttatcttt taaatatgtc ttgtatagtt catattcatg 2040
64 gctgaaactt gaccacacta ttgctgattg tatggttttc acctggacac cgtgtagaat 2100
65 gcttgattac ttgtactctt cttatgctaa tatgctctgg gctggagaaa tgaaatcctc 2160
66 aagccatcag gatttgctat ttaagtggct tgacaactgg gccaccaaag aacttgaact 2220
67 tcacctttta ggatttgagc tgttctggaa cacattgctg cactttggaa agtcaaaatc 2280
68 aagtgccagt ggcgcctttt ccataagagaa tttgcccgac tttgctttaa aagatgtctt 2340
69 gttttttata tacacataat caataggtcc aatctgctct caaggccttg gtcctggtgg 2400
70 gattccttca ccaattactt taattaaaaa tggctgcaac tgtaagaacc cttgtctgat 2460
71 atatttgcaa ctatgctccc atttacaaat gtaccttcta atgctcagtt gccagggtcc 2520
72 aatgcaaagg tggcgtggac tccctttgtg tgggtggggt ttgtgggtag tgggtaagga 2580
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74 aaaaaaaaaa attaattata tataaa 2666

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77 &lt;210&gt; SEQ ID NO: 2

78 &lt;211&gt; LENGTH: 405

79 &lt;212&gt; TYPE: PRT

80 &lt;213&gt; ORGANISM: Homo sapiens

82 &lt;400&gt; SEQUENCE: 2

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83 Met Asn Ser Thr Glu Ser Asn Ser Ser Ala Ser Val Arg Pro Lys Val
84   1           5           10           15
86 Leu Ser Ser Ile Gln Glu Gly Thr Val Pro Asp Asn Thr Ser Ser Ala
87           20           25           30
89 Arg Gly Lys Glu Asp Val Asn Lys Thr Leu Pro Asn Leu Gln Val Val
90           35           40           45
92 Asn His Gln Gln Gly Pro His His Arg His Ile Leu Lys Leu Leu Pro
93           50           55           60
95 Ser Met Glu Ala Thr Gly Gly Glu Lys Ser Ser Thr Pro Ile Lys Gly
96   65           70           75           80
98 Pro Lys Arg Gly His Pro Arg Gln Asn Leu His Lys His Phe Asp Ile
99           85           90           95
101 Asn Glu His Leu Pro Trp Met Ile Val Leu Phe Leu Leu Val Leu
102           100          105          110
104 Val Val Ile Val Val Cys Ser Ile Arg Lys Ser Ser Arg Thr Leu Lys
105           115          120          125
107 Lys Gly Pro Arg Gln Asp Pro Ser Ala Ile Val Glu Lys Ala Gly Leu
108           130          135          140
110 Lys Lys Ser Met Thr Pro Thr Gln Asn Arg Glu Lys Trp Ile Tyr Tyr
111 145           150          155          160
113 Cys Asn Gly His Gly Ile Asp Ile Leu Lys Leu Val Ala Ala Gln Val
114           165          170          175
116 Gly Ser Gln Trp Lys Asp Ile Tyr Gln Phe Leu Cys Asn Ala Ser Glu
117           180          185          190
119 Arg Glu Val Ala Ala Phe Ser Asn Gly Tyr Thr Ala Asp His Glu Arg
120           195          200          205
122 Ala Tyr Ala Ala Leu Gln His Trp Thr Ile Arg Gly Pro Glu Ala Ser
123           210          215          220

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125 Leu Ala Gln Leu Ile Ser Ala Leu Arg Gln His Arg Arg Asn Asp Val
126 225                230                235                240
128 Val Glu Lys Ile Arg Gly Leu Met Glu Asp Thr Thr Gln Leu Glu Thr
129                245                250                255
131 Asp Lys Leu Ala Leu Pro Met Ser Pro Ser Pro Leu Ser Pro Ser Pro
132                260                265                270
134 Ile Pro Ser Pro Asn Ala Lys Leu Glu Asn Ser Ala Leu Leu Thr Val
135                275                280                285
137 Glu Pro Ser Pro Gln Asp Lys Asn Lys Gly Phe Phe Val Asp Glu Ser
138                290                295                300
140 Glu Pro Leu Leu Arg Cys Asp Ser Thr Ser Ser Gly Ser Ser Ala Leu
141 305                310                315                320
143 Ser Arg Asn Gly Ser Phe Ile Thr Lys Glu Lys Lys Asp Thr Val Leu
144                325                330                335
146 Arg Gln Val Arg Leu Asp Pro Cys Asp Leu Gln Pro Ile Phe Asp Asp
147                340                345                350
149 Met Leu His Phe Leu Asn Pro Glu Leu Arg Val Ile Glu Glu Ile
150                355                360                365
152 Pro Gln Ala Glu Asp Lys Leu Asp Arg Leu Phe Glu Ile Ile Gly Val
153                370                375                380
155 Lys Ser Gln Glu Ala Ser Gln Thr Leu Leu Asp Ser Val Tyr Ser His
156 385                390                395                400
158 Leu Pro Asp Leu Leu
159                405
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163 <211> LENGTH: 39
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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171 tttagatcta tgaactcaac agaatccaac tcttctgcc                      39
174 <210> SEQ ID NO: 4
175 <211> LENGTH: 38
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
182 <400> SEQUENCE: 4
183 gtcgacctac agcaggtcag gaagatggct ataaacag                      38
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187 <211> LENGTH: 67
188 <212> TYPE: PRT
189 <213> ORGANISM: Unknown Organism
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Unknown Organism: Death domain
193     sequence of RIP
195 <400> SEQUENCE: 5
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197 1 5 10 15  
 199 Arg Lys Leu Gly Phe Thr Glu Ser Gln Ile Asp Glu Ile Asp His Asp  
 200 20 25 30  
 202 Tyr Glu Arg Asp Gly Leu Lys Glu Lys Val Tyr Gln Met Leu Gln Lys  
 203 35 40 45  
 205 Trp Leu Met Arg Glu Gly Thr Lys Gly Ala Thr Val Gly Lys Leu Ala  
 206 50 55 60  
 208 Gln Ala Leu  
 209 65  
 212 <210> SEQ ID NO: 6  
 213 <211> LENGTH: 34  
 214 <212> TYPE: DNA  
 215 <213> ORGANISM: Artificial Sequence  
 217 <220> FEATURE:  
 218 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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 233 tttagatctc ggaaaagctc gaggactctg aaaaagggg 39

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/733,956

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